

MULTI-CAVITY OPTICAL DISC MOLD

Abstract of the Disclosure

5 A multiple cavity injection molding system having at least two single
cavity injection molds for forming optical discs. The single cavity injection
molds are physically and thermally separated from each other. Each single
cavity injection mold has first and second mating portions which are movable
between a closed position in which a mold cavity is formed and an open position
10 in which the object is removed from the mold cavity. A resin delivery system is
operatively coupled to the first mating portion of each of the single cavity
injection molds for delivering resin into each of the two single cavity injection
molds, and an ejector system is operatively coupled to the second mating portion
of the single cavity injection mold for ejecting the molded disc from the mold
15 cavity.